gb_gss16:* gb_gss17:* gb_gss18:* em_gssl3:* gb_gss19:* gb_gss15:* gb_gss14:* gb_gssl3:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

C C C C 38 C C 440 443 454	0 27 0 28 31 31 31	0 0 22222222 26344	112 113 114 116	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Result No.
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AA62493/ AA993385 AZ068000 AI58593 AZ023851 AA0925578 C76668 AQ744486 AZ008963	AZ040324 AZ006626 AZ0066294 AZ073828 AQ929911 AZ024838 AZ023929 AZ060989 AZ060989	AZ024758 AZ024788 AQ998182 AQ994045 AI506998 AZ003313 AQ932217 AZ019967	AW215497 AZ075478 AZ073478 AQ0998310 AQ0920012 AZ060422 AZ060423 AZ060423 AZ048873	AW657531 AL134888 AW358862 AW416859 X83313 AZ053598 AW114058 AW0129283 AQ929513 AQ919484	!
AQ93385 RPCI-23 AQ93385 RPCI-23 AZ068000 RPCI-23 AIS85993 vs36g05. AZ023851 RPCI-23 AQ925578 RPCI-23 AQ925578 RPCI-23 AQ744486 HS_5508 AZ008963 RPCI-23	AZ040324 RPCI AZ006626 RPCI AZ006294 RPCI AZ073828 RPCI AQ029961 RPCI AZ024838 RPCI AZ023929 RPCI AZ060989 RPCI AZ06098 RPCI AZ648716 uk28aC AQ032220 RPCI AA624937 vn91d1	AZ024758 RPCI-2 AQ998182 RPCI-2 AQ994045 RPCI-3 AI506998 v155908 AZ003313 RPCI-4 AQ932217 RPCI-4 AZ00367 RPCI-4 AZ00367 RPCI-4 AZ00367 RPCI-4	AW215497 up0410 AZ015736 RPCII AZ015736 RPCII AZ073478 RPCII AQ098310 RPCII AQ020012 RPCII AZ060422 RPCII AZ060427 RPCII AZ040659 RPCII AZ040659 RPCII	AW657531 110922 AL134888 DKFZP76 AW358862 43799 M AW416859 52601 M AW416859 52601 M X83313 MMRS16REV AZ053598 RPCI 2-2 AW114058 MC1153 AW14058 MC1153 AW292928 RPCI 2-2 AW29928 RPCI 2-2 AW299484 RPCI 2-2 AW299484 RPCI 2-2	Description

ALIGNMENTS

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RESULT
AW657531
LOCUS AW657531 549 bp mRNA EST (DEFINITION 110922 MARC 1BOV BOS taurus cDNA 5', mRNA sequence.
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6783 ttatgagcaggcctcagaaaatcagtatttagtacctggttataacaggtggtgggcatg 6842
                                                                                                                                   6663 tagaaatcaatgtacatgggggtcccgaaataagcttaccctcactgaagtttccgggaa 6722
                                                                                                                                                                                                                                                                                                                               6603 agggcctccttattatgaggggatggctaaagaaagaaaattcaatgtgaccaaagagca 6662
                                                                                                                                                                                                                                                                                                                                                                                           6543 ccaagccatcaactccaccgaccctgatgccacttcttcttcttgttggctttgtctatcctc 6602
                                                                                                                                                                                                                  182 TAGAAATCAATGTACATGGGGGTCCCGAAATAAGCTCACCCTCACTGAAGTTTCCGGGAA 241
                                                                                                                                                                                                                                                                                            122 AGGGCCTCCTTATTATGAGGGAATGGCTAGAGAAGGGAAATTCAATGTGACCAAAGAGCA 181
                                                         302 TTATGAGCAGGCCTTAGAAAATCAGTATTTAGTACCTGGTTATAACTGATGGTGGGCATG
                                                                                                                                                                                                                                                                                                                                                                        62 CCAAGCCATCAACTCCACCGACCCCGATGCCAGTTCTTCTTGTTTGGCTTTGTCTATCCTC 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Smith TPL USDA, ARS, US Meat Animal Research Center PO Box 166, Clay Center, NE F0000 (Clay Center)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Design and use of four pooled tissue normalized cDNA libraries for EST discovery in cattle Unpublished (2000) on Oct 30, 1998 this sequence version replaced gi:3815947.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Smith,T.P.L., Casas,E., Stone,R.T., Heaton,M.P., Grosse,W.M., Bennett,G.A., Fahrenkrug,S.C., Freking,B.A., Rohrer,G.A. and Keele,J.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovoidea; Bovidae; Bos
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: smith@email.marc.usda.gov
Single pass sequencing. Bases called and alt_trimmed with phred
v0.980904.e. Vector identified by cross_match with the -minscore 18
and -minmatch 12 options.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tel: 402 762 4366
Fax: 402 762 4390
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Plate: 94 row: E column: 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note-"Vector: pCMV SPORT6; Site_1: XbaI; Site_2: XhoI; Library made from pooled tissue from lymph node, ovary, fat, hypothalamus, and pituitary."

144 c 121 g 139 t
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/db_xref="taxon:9913"
/clone_lib="MARC 1BOV"
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/lab_host="DH10B"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5.8%; Score 473.6; DB 79; 92.7%; Pred. No. 2.1e-122; tive 0; Mismatches 39;
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2725 ctcgagaaggaatttggccgcatgttcaaagattaatccaacagggcatcctagttcctg 2784
                                                                                              2665 ttcaactgaaggccagtgctacaccagtatcagtcagacagtaccccttgagtagagagg 2724
                                                                                                                                                                       2605 cccaagcctgggcagaaaccgcagggatgggtttggcaaagcaagttcccccacaggtta 2664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bource
                                                           61 TACCTCTAAAGGCAACCTCCACCCCTGTGTCCATCAAACAGTACCCCATGTCACACGAAG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6963 atatgactatcggtataaccgaccaaaagagaacccgtatccctt-accctagctgtaa 7021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6903 tgtcatggtccaaatcgtcccccgagtgtactaccatcctgaggaagtggtccttgatga 6962
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 482 GTATGACTATCGGCCTACCCGCTCAAAAAGAGAGCCCGTGACCCTTAACCCTAGCCGTTA 541
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        422 TGTCATGGTCCAGCTCGTCCCCTGGGTACACTACCATCCTGAGGAAGTAGTCATCGATGA 481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #62 CAATACTGGGTTAACTCCCTGTGTTTCTACCACAGTCTTTAACCAATCCAAAGATTTCTG 421
                                                                                                                                     CCCAGGCCTGGGCAGAAACCGGGGGGCATGGGACTGGCAGTTCGCCAAGCGCCTCTGATTA 60
                                                                                                                                                                                                                             447;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This is the 5' sequence of the clone insert Clone from S. Wiemann, Molecular Genome Analysis, German Cancer Research Center (DRF2); Email s. Wiemann@dkfz- heidelberg.de; sequenced by LMU (Ludwig Maximilians University, Munich/Germany) within the cDNA sequencing consortium of the German
                                                                                                                                                                                                                                               Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This clone (DKFZp762K0910) is available at the RZPD in Berlin Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       On Apr 7, 1998 1
Contact: Blum H
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Am Klopferspitz 18a D-82152 Martinsried, Germany This is the 5' sequence of the clone insert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Blum, H., Bauersachs, S., Mewes, W., Weil, B. and Wiemann, S
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1 (bases 1 to 632)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence available.
                                                                                                                                                                                                                                                                                                              /lab_host="DH10B"
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/note="Yector: pSportl; Site_1: NotI; Site_2: SalI"
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                                                                                                                                                                                                                                                                                                                                                                                              /clone="DKFZp762K0910"
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/dev_stage="adult"
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/db_xref-"taxon:9606"
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                                                                                                                                                                                                                                           4.18;
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                                                                                                                                                                                                                                           Score 336.6; DB 47; Length 632; Pred. No. 1.1e-83;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2845 gaccagtacaggacttgagagggtcaataaaagggtgcaggacatacacccaacggtcc 2904
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2785 toccaatccccttggaatactcccctgctaccggttaggaagcctgggaccaatgattatc 2844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           481 AGGGTTTCAAAAACAGTCCCACCCTGTTTGATGAGGCCATTGCACAGAGACCTAGCAGACT 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               421 TTGAGTGGAGAGATCCAGAAATGGGAATCTCTGGACAATTGACCTGGACCAGACTCCCAC 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            241 GGCCTGTCCAGGATCTGAGAGAAGTCAACAAGCGGGTGGAAGATATCCACCCCACCGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             181 GCCAGTCCCCTGGAACACACCCCTGCTGCTGCTGTTAAGAAACCAGGGACTAATGATTACA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121 CCAGACTGGGGATCAAGCCCCCACATACAGAGACTGTTGGACCAGGGAATATTGGTACCTT 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTACTTCCGAACTAGACTGCCAACAAGGTAC 631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCCGGATCCAGCACCCAGACTTGATCCTGCTACAGTACGTGGATGACTTACTGCTGGCCG 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCAATCCTTACAACCTCTTAAGTGGACTCCCTCCGTCCCACCAGTGGTACACTGTGCTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aagggttcaagaactccccgaccatctttgacgaagccctacacagggacctggccaact 3144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTTAAAAGATGCCTTTTTCTGCCTGAGACTCCACCCCACCAGTCAGCCTCTCTTTGCCT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         acttaaaagatgccttcttctgcctgagattacaccccactagccaaccactttttgcct 3024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cgaaccettataacctettgagegeeetceegeetgaaeggaaetggtacaeagtattgg 2964
                                                                                                                                                                         BACKWARD: GTTTTCCCAGTCACGACG
Plate: 25 row: D column: 18
Seq primer: ATTTAGGTGACACTATAG
                                                                                                                                                                                                                                                                                                             Email: smith@email.marc.usda.gov
Single pass sequencing. Bases called and trimmed with phred
v0.989904.e. Vector identified by cross_match with the -mins
and -minmatch 12 options.
                                                                                                                                                                                                                                                                                                                                                                                                                                        On Jul 9, 1999 this sequence version replaced g1:5866807. Contact: Smith TPL USDA, ARS, US Meat Animal Research Center PO Box 166, Clay Center, NE 68933-0166, USA Tel: 402 762 4366 Fax: 402 762 4390
                                                                                                                                                                                                                                                                        FORWARD: AGGAAACAGCTATGACCAT
                                                                                                                                                                                                                                                                                                    PCR PRimers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fahrenkrug,S.C., Freking,B.A., Rohrer,G.A., Smith,T.P.L., Casas,E
Stone,R.T., Heaton,M.P., Grosse,W.M., Bennett,G.A. and Keele,J.W.
Design and use of two pooled tissue normalized cDNA libraries for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Fahrenkrug, S.C.,
Stone, R.T., Heato
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus. 1 (bases 1 to 345)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EST discovery in swine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sus scrota
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AW358862.1 GI:6863512
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MARC 2PIG Sus scrofa cDNA 5', mRNA sequence
/db_xref="taxon:9823"
/clone_lib="MARC 2PIG"
/tissue_type="pooled"
                                                                                           /organism="Sus scrofa"
                                                                                                                                                location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    345 bp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Casas, E.
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